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PATENT  
Att'y Dkt.: 2207/1123601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

**Ryan N. RAKVIC, et al.**

Serial No.: 09/891,523

Filed: **June 27, 2001**

For: **PARALLEL CACHELETS**

Assignee: **Intel Corporation**

Examiner: **Midys Inoa**

Art Unit: **2188**

**PETITION TO CORRECT INVENTORSHIP PURSUANT TO 37 C.F.R. § 1.48 (a)**

MAIL STOP PETITION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

SIR:

Pursuant to 37 C.F.R. § 1.48(a), the Applicants hereby petition the Commissioner to correct inventorship for the above-identified application by adding Deepak Limaye as a named inventor. This petition is accompanied by statements of the added inventor that the error in inventorship occurred without deceptive intent and executed inventors' declaration and assignment. A statement of the assignee also is included.

The Office is hereby authorized to charge the required fee of \$130.00 to Kenyon & Kenyon's Deposit Account No. 11-0600.

Respectfully submitted,

Date:

2/16/05

Cassandra T. Swain, Ph.D.

Registration No. 48,361

(Attorney for Intel Corporation)

KENYON & KENYON

1500 K Street, N.W.

Washington, D.C. 20005

Ph.: (202) 220-4200

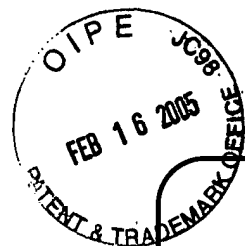
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PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/891,523	
	Filing Date	June 27, 2001	
	First Named Inventor	Ryan N. RAKVIC, et al.	
	Art Unit	2188	
	Examiner Name	Midys Inoa	
Total Number of Pages in This Submission	7	Attorney Docket Number	02207/1123601

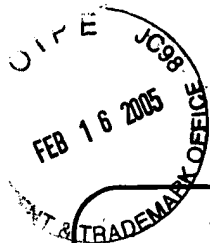
ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <b>Statement of Non-Deceptive Intent by Person Being Added by Petition; Declaration and Power of Attorney; Assignment; Consent of Assignee to Change Inventorship in Patent Application</b>
<div>Remarks</div> <p>The PTO is authorized to charge a petition fee of \$130.00 to Kenyon &amp; Kenyon Deposit Account 11-0600</p>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Cassandra T. Swain, Ph.D. (Reg. No. 48,361)
Signature	
Date	February 16, 2005

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name			
Signature		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/891,523	
	Filing Date	June 27, 2001	
	First Named Inventor	Ryan N. RAKVIC, et al.	
	Art Unit	2188	
	Examiner Name	Midys Inoa	
Total Number of Pages in This Submission	7	Attorney Docket Number	02207/1123601

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <b>Statement of Non-Deceptive Intent by Person Being Added by Petition; Declaration and Power of Attorney; Assignment; Consent of Assignee to Change Inventorship in Patent Application</b>
<div>Remarks</div> <p><b>The PTO is authorized to charge a petition fee of \$130.00 to Kenyon &amp; Kenyon Deposit Account 11-0600</b></p>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Cassandra T. Swain, Ph.D. (Reg. No. 48,361)
Signature	
Date	February 16, 2005

**CERTIFICATE OF TRANSMISSION/MAILING**

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT  
Att'y Dkt.: 2207/1123601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Ryan N. RAKVIC, et al.  
Serial No.: 09/891,523  
Filed: June 27, 2001  
For: PARALLEL CACHELETS

Assignee: Intel Corporation  
Examiner: Midys Inoa  
  
Art Unit: 2188

**STATEMENT OF NON-DECEPTIVE INTENT BY PERSON BEING ADDED BY PETITION TO  
CHANGE INVENTORSHIP IN PATENT APPLICATION**

MAIL STOP PETITION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

I, Deepak Limaye, the person who is being added as an inventor by the petition being submitted to correct the inventorship of this patent application do hereby declare that the inventorship error in failing to include my name as an inventor on this patent application occurred without any deceptive intention on my part.

Date: FEB 07, 2005

Deepak Limaye  
Deepak Limaye

**PATENT**

Docket No. 2207/1123601

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PARALLEL CACHELETS**

the specification of which is attached hereto unless the following is entered:

was filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)
June 27, 2001	09/891,523	June 25, 2003; October 3, 2003; May 17, 2004; November 29, 2004

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

**PRIOR FOREIGN APPLICATION(S)**

I hereby claim foreign priority benefits under 35 USC §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application(s) for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Filing Date (day/month/year)	Priority Not Claimed
None			

**PROVISIONAL APPLICATION(S)**

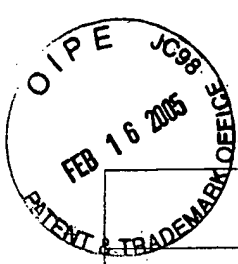
I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

Application Number	Filing Date
60/287,707	May 2, 2001

**PRIOR UNITED STATES APPLICATION(S)**

I hereby claim the benefit under 35 USC §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

Application Number	Filing Date	Status (patented, pending, abandoned)
None		



Docket No. 2207/1123601

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (Cont.)**  
**POWER OF ATTORNEY**

I hereby appoint the following attorney(s) and/or agent(s) and the registered practitioners of Kenyon & Kenyon and Intel Corporation included in the Customer Numbers provided below, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected herewith:

Customer Number **23,838** (Kenyon & Kenyon) and Customer Number **25,694** (Intel Corporation)

**Direct telephone calls to:**

Cassandra T. Swain, Ph.D.  
(202) 220-4273

**Send correspondence to:**

KENYON & KENYON  
1550 K Street, NW, Suite 700  
Washington, DC 20005-1257

I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

<b>Full name of first or sole inventor</b>	Last Name <b>RAKVIC</b>	First Name <b>Ryan</b>	Middle Name <b>N.</b>
Residence	City <b>Santa Clara</b>	State or Country <b>California</b>	Country of Citizenship <b>UNITED STATES</b>
Post Office Address	Street <b>2200 Mission College Boulevard; M/S SC12-303</b>	City <b>Santa Clara</b>	State or Country & Zip Code <b>California 95054</b>
Signature		Date	
<b>Full name of second inventor</b>	Last Name <b>SHEN</b>	First Name <b>John</b>	Middle Name <b>P.</b>
Residence	City <b>San Jose</b>	State or Country <b>California</b>	Country of Citizenship <b>UNITED STATES</b>
Post Office Address	Street <b>2303 Quail Bluff Place</b>	City <b>San Jose</b>	State or Country & Zip Code <b>California 95121</b>
Signature		Date	
<b>Full name of third inventor</b>	Last Name <b>LIMAYE</b>	First Name <b>Deepak</b>	Middle Name
Residence	City <b>Austin</b>	State or Country <b>Texas</b>	Country of Citizenship <b>INDIA</b>
Post Office Address	Street <b>11609 Larch Valley Drive</b>	City <b>Austin</b>	State or Country & Zip Code <b>Texas 78754</b>
Signature <i>Deepak Limaye</i>		Date <b>FEB 07, 2005</b>	



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (Cont.)

Docket No. 2207/1123601

**Title 37, Code of Federal Regulations, Section 1.56**  
**Duty to Disclose Information Material to Patentability**

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) Prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

PATENT  
Docket No. 2207/1123601**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to Intel Corporation, a corporation of Delaware, having a principal place of business at 2200 Mission College Blvd., P.O. Box 58119, Santa Clara, California 95052-8119 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the United States Patent Application entitled:

**PARALLEL CACHELETS**

filed June 27, 2001, and assigned Serial No. 09/891,523, and in and to said United States Patent Application and all divisional, continuing, substitute, renewal, reissue, and other patent applications that have been or shall be filed in the United States or any foreign country on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States or any foreign country on said improvements; and in and to all rights of priority resulting from the filing of said United States Patent Application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Ryan N. Rakvic

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
John P. ShenDate: FEB 07, 2005\_\_\_\_\_  
*Deepak Limaye*  
Deepak Limaye**Assignment Document Return Address:**

Cassandra T. Swain, Ph.D.  
KENYON & KENYON, Suite 700  
1500 K Street, NW  
Washington, DC 20005





In re application of:  
**Ryan N. RAKVIC, et al.**  
Serial No.: **09/891,523**  
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Assignee: Intel Corporation

Examiner: **Midys Inoa**

Art Unit: **2188**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CONSENT OF ASSIGNEE TO CHANGE INVENTORSHIP IN PATENT APPLICATION

MAIL STOP PETITION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

Pursuant to 37 C.F.R. § 1.48(a)(4), Intel Corporation having offices at 2200 Mission College Boulevard, Santa Clara, California 95052, the assignee of the above-referenced patent application, as recorded in the U.S. Patent and Trademark Office on September 4, 2001 at Reel 012144, Frame 0523, consents to the correction of the inventorship of this application by adding Deepak Limaye as a named inventor.

The undersigned, whose title is provided below, is authorized to act on behalf of the assignee.

Date: 2/7/05

(Signature)

Printed Name: DAVID Simon

Title: Chief Patent Counsel

Simon